

SEQUENCE LISTING

SEQ ID NO:1

Human GRP78/BiP amino acid sequence

5
MKLSLVAAMLLLLSAARAEEDKKEDVGTVVGIDLGTTYSCVGVFKNRVEIIA
NDQGNRITPSYVAFTPEGERLIGDAAKNQLTSNPENTVFDKRLIGRTWNDPSVQ
QDIKFLPFKVVEKKTKPYIQVDIGGGQTKTFAPEEISAMVLTKMKETA EAYLGKK
VTHAVVTVPAYFNDAQRQATKDAGTIAGLNMRIINEPTAAAIAYGLDKREGEK
10 NILVFDLGGGTFDVSLLTIDNGVFEVVATNGDTHLGGEDFDQRM EHFILYKK
KTGKDVRKDNRAVQKL RREVEKAKRALSSQHQARIEIESFYEGEDFSETL TRAKF
EELNMDLFRSTMKPVQKVLEDSDLKKSDIDEIVLVGGSTRIPKIQQLVKEFFNGKE
PSRGINPDEAVAYGA AVQAGVLSGDQDTGDLVLLDVCPLTLGIETVGGVMTKLI
PRNTVVPTKKSQIFSTASDNQPTVTIKVYEGERPLTKDNHLLGTFDLTGIPPAPRG
15 VPQIEVTFEIDVNGILRVTAEDKGTGNKNKITITNDQNRLTPEEIERMVNDAEKFA
EEDKKLKERIDTRNELESYAYSLKNQIGDKEKLGGLSSSEDKETMEKAVEEKIEW
LESHQDADIEDFKAKKKELE EIVQPIISKLYGSAGPPPTGEEDTAEKDEL

SEQ ID NO:2

Human GRP78/BiP mRNA sequence

1 ACTGGCTGGC AAGATGAAGC TCTCCCTGGT GGCCGCGATG CTGCTGCTGC TCAGCGCGGC
61 GCGGGCCGAG GAGGAGGACA AGAAGGAGGA CGTGGGCACG GTGGTCCGCA TCGACCTGGG
25 121 GACCACCTAC TCCTGCGTCG GCGTGTTC AA GAACGGCCGC GTGGAGATCA TCGCCAACGA
181 TCAGGGCAAC CGCATCACGC CGTCCTATGT CGCCTTCACT CCTGAAGGGG AACGTCTGAT
241 TGGCGATGCC GCCAAGAACC AGCTCACCTC CAACCCCGAG AACACGGTCT TTGACGCCAA
301 GCGGCTCATC GGCCGCACGT GGAATGACCC GTCTGTGCAG CAGGACATCA AGTTCTTGCC
361 GTTCAAGGTG GTTGAAAAGA AACTAAACC ATACATTCAA GTTGATATTG GAGGTGGGCA
30 421 AACAAAGACA TTTGCTCCTG AAGAAATTTC TGCCATGGTT CTCATAAAA TGAAAGAAAC
481 CGCTGAGGCT TATTTGGGAA AGAAGGTTAC CCATGCAGTT GTTACTGTAC CAGCCTATTT
541 TAATGATGCC CAACGCCAAG CAACCAAAGA CGCTGGA ACT ATTGCTGGCC TAAATGTTAT
601 GAGGATCATC AACGAGCCTA CGGCAGCTGC TATTGCTTAT GGCCTGGATA AGAGGGAGGG
661 GGAGAAGAAC ATCCTGGTGT TTGACCTGGG TGGCGGAACC TTCGATGTGT CTCTTCTCAC
35 721 CATTGACAAT GGTGTCTTCG AAGTTGTGGC CACTAATGGA GATACTCATC TGGGTGGAGA
781 AGACTTTGAC CAGCGTGTCA TGAACACTT CATCAA CTG TACAAAAGA AGACGGGCAA

	841	AGATGTCAGG	AAAGACAATA	GAGCTGTGCA	GAAACTCCGG	CGCGAGGTAG	AAAAGGCCAA
	901	ACGGGCCCTG	TCTTCTCAGC	ATCAAGCAAG	AATTGAAATT	GAGTCCTTCT	ATGAAGGAGA
	961	AGACTTTTCT	GAGACCCTGA	CTCGGGCCAA	ATTTGAAGAG	CTCAACATGG	ATCTGTTCCG
	1021	GTCTACTATG	AAGCCCGTCC	AGAAAGTGTT	GGAAGATTCT	GATTTGAAGA	AGTCTGATAT
5	1081	TGATGAAATT	GTTCTTGTTG	GTGGCTCGAC	TCGAATTCCA	AAGATTCAGC	AACTGGTTAA
	1141	AGAGTTCTTC	AATGGCAAGG	AACCATCCCG	TGGCATAAAC	CCAGATGAAG	CTGTAGCGTA
	1201	TGGTGCTGCT	GTCCAGGCTG	GTGTGCTCTC	TGGTGATCAA	GATACAGGTG	ACCTGGTACT
	1261	GCTTGATGTA	TGTCCCCTTA	CACTTGGTAT	TGAAACTGTG	GGAGGTGTCA	TGACCAAAC
	1321	GATTCCAAGG	AACACAGTGG	TGCCCTACCA	GAAGTCTCAG	ATCTTTTCTA	CAGCTTCTGA
10	1381	TAATCAACCA	ACTGTTACAA	TCAAGGTCTA	TGAAGGTGAA	AGACCCCTGA	CAAAAGACAA
	1441	TCATCTTCTG	GGTACATTTG	ATCTGACTGG	AATTCCTCCT	GCTCCTCGTG	GGGTCCCACA
	1501	GATTGAAGTC	ACCTTTGAGA	TAGATGTGAA	TGGTATTCTT	CGAGTGACAG	CTGAAGACAA
	1561	GGGTACAGGG	AACAAAAATA	AGATCACAA	CACCAATGAC	CAGAATCGCC	TGACACCTGA
	1621	AGAAATCGAA	AGGATGGTTA	ATGATGCTGA	GAAGTTTGCT	GAGGAAGACA	AAAAGCTCAA
15	1681	GGAGCGCAT	GATACTAGAA	ATGAGTTGGA	AAGCTATGCC	TATTCTCTAA	AGAATCAGAT
	1741	TGGAGATAAA	GAAAAGCTGG	GAGGTAAACT	TTCTCTGAA	GATAAGGAGA	CCATGGAAAA
	1801	AGCTGTAGAA	GAAAAGATTG	AATGGCTGGA	AAGCCACCAA	GATGCTGACA	TTGAAGACTT
	1861	CAAAGCTAAG	AAGAAGGAAC	TGGAAGAAAT	TGTTCAACCA	ATTATCAGCA	AACTCTATGG
	1921	AAGTGCAGGC	CCTCCCCCAA	CTGGTGAAGA	GGATACAGCA	GAAAAAGATG	AGTTGTAGAC
20	1981	ACTGATCTGC	TAGTGCTGTA	ATATTGT			